09/923,060   Malthe-Sorenssen et al

EAST SEARCH

3/18/05

L#	Hits	Search String		Databases
L1	3115	node and boundar$5 and displace$5		USPAT; EPO; JPO; DERWENT; IBM_TDB
L2	193	node same (boundar$5 and displace$5)		USPAT; EPO; JPO; DERWENT; IBM_TDB
L3	97	2 and deform$5		USPAT; EPO; JPO; DERWENT; IBM_TDB
L4	683	1 and deform$5		USPAT; EPO; JPO; DERWENT; IBM_TDB

Results of search set L3:

US 6847462 B1	Integrated system for quickly and accurately imaging and modeling three-dimensional objects	20050125	356/601
US 6845667 B1	High Q angular rate sensing gyroscope	20050125	73/504.12
US RE38669 E	Telescoping-type front fork bicycle suspensions	20041214	280/276
US 6810300 B1	Method of designing a product worn on a body in a virtual environment	20041026	700/132
US 6781582 B1	Mesh generator for and method of generating meshes in an extrusion process	20040824	345/420
US 6734849 B2	Integrated system for quickly and accurately imaging and modeling three-dimensional objects	20040511	345/419
US 6721684 B1	Method of manufacturing and analyzing a composite building	20040413	702/183
US 6714901 B1	Electronic device for processing image-data, for simulating the behaviour of a deformable object	20040330	703/7
US 6704693 B1	Apparatus and method for structural analysis	20040309	703/1
US 6641489 B1	Golf club shaft with suppressed vibration modes	20031104	473/318
US 6594381 B2	Computer vision-based technique for objective assessment of material properties in non-rigid objects	20030715	382/154
US 6588283 B2	Fracture toughness determination using spiral-grooved cylindrical specimen and pure torsional loading	20030708	73/847
US 6560570 B1	Method and apparatus for connecting finite element meshes and performing simulations therewith	20030506	703/7
US 6550329 B2	High Q angular rate sensing gyroscope	20030422	73/504.13
US 6542859 B1	Method for designing a cyclic symmetric structure	20030401	703/7
US 6512993 B2	Integrated system for quickly and accurately imaging and modeling three-dimensional objects	20030128	702/159

Patent No.	Title	Date	Class
US 6512518 B2	Integrated system for quickly and accurately imaging and modeling three-dimensional objects	20030128	345/427
US 6508768 B1	Ultrasonic elasticity imaging	20030121	600/443
US 6475237 B2	Intravascular hinge stent	20021105	623/1.15
US 6473079 B1	Integrated system for quickly and accurately imaging and modeling three-dimensional objects	20021029	345/419
US 6431996 B1	Golf club shaft with suppressed vibration modes	20020813	473/318
US 6420698 B1	Integrated system for quickly and accurately imaging and modeling three-dimensional objects	20020716	250/234
US 6397168 B1	Seismic evaluation method for underground structures	20020528	703/2
US 6370491 B1	Method of modeling of faulting and fracturing in the earth	20020409	703/2
US 6353768 B1	Method and apparatus for designing a manufacturing process for sheet metal parts	20020305	700/97
US 6330523 B1	Integrated system for quickly and accurately imaging and modeling three-dimensional objects	20011211	702/159
US 6312460 B1	Intravascular hinge stent	20011106	623/1.15
US 6301370 B1	Face recognition from video images	20011009	382/103
US 6272925 B1	High Q angular rate sensing gyroscope	20010814	73/504.12
US 6246468 B1	Integrated system for quickly and accurately imaging and modeling three-dimensional objects	20010612	356/4.02
US 6245101 B1	Intravascular hinge stent	20010612	623/1.15
US 6226405 B1	Method and apparatus for updating node position	20010501	382/197
US 6205366 B1	Method of applying the radial return method to the anisotropic hardening rule of plasticity to sheet metal forming processes	20010320	700/97
US 6195625 B1	Method for simulating collisions	20010227	703/7
US 6169817 B1	System and method for 4D reconstruction and visualization	20010102	382/131
US 6163757 A	Method of and apparatus for analyzing linear object and recording medium having linear object analyzing program stored thereon	20001219	702/42
US 6160916 A	Communication apparatus and method of color pictures and continually-changing tone pictures	20001212	382/232
US H001911 H	Curing optical material in a plane optical resonant cavity	20001107	264/1.36
US 6101450 A	Stress analysis using a defect-free four-node finite element technique	20000808	702/42
US 6071360 A	Controlled strain rate forming of thick titanium plate	20000606	148/421
US 6047088 A	2D mesh geometry and motion vector compression	20000404	382/243
US 6009378 A	Method of applying an anisotropic hardening rule of plasticity to sheet metal forming processes	19991228	702/34

Patent No.	Title	Date	Class
US 5982909 A	Method for region tracking in an image sequence using a two-dimensional mesh	19991109	382/103
US 5944932 A	Bicycle front forks and methods of making same	19990831	156/245
US 5936671 A	Object-based video processing using forward-tracking 2-D mesh layers	19990810	375/240.14
US 5920491 A	Computer process for prescribing an assembly load to provide pre-tensioning simulation in the design analysis of load-bearing structures	19990706	703/7
US 5917194 A	Mesoscopic electronic devices with tailored energy loss scattering	19990629	257/17
US 5907626 A	Method for object tracking and mosaicing in an image sequence using a two-dimensional mesh	19990525	382/107
US 5891131 A	Method and apparatus for automated simulation and design of corneal refractive procedures	19990406	606/5
US 5876439 A	Method and appartus for adjusting corneal curvature using a fluid-filled corneal ring	19990302	623/5.12
US 5855604 A	Method and apparatus for adjusting corneal curvature using a solid filled corneal ring	19990105	623/5.12
US 5754181 A	Computer aided design system	19980519	345/419
US 5729462 A	Method and apparatus for constructing a complex tool surface for use in an age forming process	19980317	700/97
US 5719951 A	Normalized image feature processing	19980217	382/118
US 5718532 A	Device and method for terminating flexible tensile strength members	19980217	403/269
US 5692764 A	Bicycle front forks and methods of making same	19971202	280/279
US 5626355 A	Telescoping-type front fork bicycle suspensions	19970506	280/276
US 5610468 A	Ultrasonic step motor	19970311	310/323.08
US 5557710 A	Computer aided design system	19960917	345/419
US 5551689 A	String suspension and frame construction for sports rackets	19960903	473/535
US 5499864 A	Bicycle wheel rims	19960319	301/95.104
US 5479380 A	Ultrasonic motor for driving an analog electronic watch	19951226	368/157
US 5470091 A	Cable guide for bicycle frames and method for increasing frame strength	19951128	280/281.1
US 5463558 A	Method for designing a binder ring surface for a sheet metal part	19951031	700/97
US 5459674 A	Bearing design analysis apparatus and method	19951017	703/1
US 5455778 A	Bearing design analysis apparatus and method	19951003	703/1
US 5452911 A	High efficiency high clearance chinstay and method of making same for bicycles	19950926	280/288
US 5442569 A	Method and apparatus for system characterization and analysis using finite element methods	19950815	716/20
US 5438402 A	System and method for measuring the interface tensile strength of planar interfaces	19950801	356/35.5

Reference	Title	Date	Class
US 5433465 A	Cable guide for bicycle frames	19950718	280/281.1
US 5410406 A	Method and apparatus for nondestructive inspection utilizing phase integration and recording of induced vibrating nodal patterns	19950425	356/458
US 5390127 A	Method and apparatus for predicting post-buckling deformation of sheet metal	19950214	700/146
US 5379227 A	Method for aiding sheet metal forming tooling design	19950103	700/98
US 5377116 A	Method and system for designing a cutting tool	19941227	700/175
US 5364115 A	Dropout and dropout joints for bicycles	19941115	280/288
US 5343108 A	Ultrasonic step motor	19940830	310/323.06
US 5339390 A	Operating a processor to display stretched continuation of a workspace	19940816	715/782
US 5264753 A	Supporting device for vibration wave driven motor	19931123	310/323.05
US 5202837 A	Material consolidation modeling and control system	19930413	700/98
US 5197731 A	String suspension and frame construction for sports rackets	19930330	473/542
US 5136497 A	Material consolidation modeling and control system	19920804	700/45
US 5128877 A	Method of draw forming analytically determined binder wrap blank shape	19920707	700/146
US 5079470 A	Standing-wave type ultrasonic motor and timepiece	19920107	310/323.06
US 4953094 A	Method for lofting blanks and compounding plates for shell structures	19900828	700/182
US 4921159 A	Method for manufacturing a modified fast fade drive axle housing	19900501	228/182
US 4858146 A	Automated design of structures using a finite element database	19890815	703/1
US 4841802 A	Modified fast fade drive axle housing	19890627	74/607
US 4760755 A	Drive axle housing blank	19880802	74/606R
US 4756466 A	Method of manufacturing a drive axle housing	19880712	228/165
US 4646504 A	Fastening member for reticulated structure	19870303	52/655.2
US 4567774 A	Determining mechanical behavior of solid materials using miniature specimens	19860204	73/826
US 4178667 A	Method of controlling turbomachine blade flutter	19791218	29/889.2
JP 2004148381 A	PRESS FORMING SIMULATION SYSTEM, PROGRAM FOR PRESS FORMING SIMULATION, AND RECORDING MEDIUM OF THE PROGRAM	20040527	
JP 2001358138 A	METHOD FOR SIMULATING SEMICONDUCTOR OXIDIZING PROCESS, AND PROGRAM RECORDING MEDIUM	20011226	
NN72022816	Obtaining Finite Difference Formulas for Neumann Boundary Conditions along Irregularly Shaped Boundaries. February 1972.	19720201	
US 6101450 A	Stress determination method for computer based designing of bridges, involves generating static deformation modes for each solid element and defect-free nodal force displacement relationship using test functions	20000808	

JP 09221754 A

Analysis method for mountain stop wall used in bridge structure - by using contact force distributed to each node of third component to apply finite element process, which is required for second component displacement, to second component   19970826